## Index of Claims



Application/Control No.

10/713,273

Examiner

KIM, HYOUNG-ROK

Reexamination

Applicant(s)/Patent under

Art Unit

Tilahun B. Gesessse

2618

Rejected Allowed

(Through numeral) Cancelled

Restricted

Non-Elected N

Interference

Appeal Α

0 Objected

Cla		Date												
Cla		⊢	_	_	_ '	Date	e	_						
Final	Original	1/19/07	7/13/07											
1	1	V			П									
2	2	V		Т	Т		T		_					
2	3	j	$\vdash$	$\vdash$	<del>  -</del>	╁	┢	$\vdash$		$\vdash$				
	<del>-</del>	1	<del>                                     </del>	-	-		⊢			$\vdash$				
4	4	Ľ	⊢	$\vdash$				⊢						
-\$-	5	0	_	<u> </u>	<u> </u>	<u> </u>	_	_	_					
Æ	6	0	L		L	_	_	L						
1	7	<b>V</b>		L	<u> </u>		L							
ક્ર	. 8	0												
9	9	0				$\Box$				Γ				
10	10	1						Г						
11	11	V					Г	Г						
12	12	1	<del>                                     </del>		$\vdash$	Г	Т	Г	$\vdash$					
12	13	j		$\vdash$	$\vdash$			$\vdash$	t	$\vdash$				
	- 14	j	$\vdash$	<u> </u>	$\vdash$	<del>                                     </del>	<del>                                     </del>			Н				
10	15	1	$\vdash$	$\vdash$	$\vdash$	$\vdash$	-	$\vdash$	-	$\vdash$				
10	10	N A	$\vdash$	$\vdash$	$\vdash$		$\vdash$		-					
17	16	Ÿ	_		-	$\vdash$	$\vdash$	$\vdash$	<u> </u>	$\vdash$				
20	17	٧	<u> </u>					_						
21	18	0	<u> </u>	_	<u></u>			_						
22	19	0												
14	20	V												
23	21	1		Γ	Ī				Г					
15	22	0						Г	Г					
11.	23	0		$\vdash$	T	_			$\vdash$					
12	24	1						Г						
32	25	1		-	$\vdash$			-	_					
	26	J	_											
44	27	J	H	$\vdash$	┪					-				
45	28	j	_	┢	├─	├─	┢	╁	$\vdash$					
77	20	J	$\vdash$		┢	$\vdash$			-	-				
78	30	Ļ		-	⊢	┢	-	-	-	-				
29	34	1	⊢	<del> </del>	┝	-	-	┝	⊢	-				
الاکتار	31	۲	$\vdash$	<del>                                     </del>	-	$\vdash$	_	-		$\vdash$				
$ \mathcal{I} $	32	0	$\vdash$	├	<del> </del>	<del> </del>	-	<del> </del>		<u> </u>				
	<u> </u>	7777007007777777000777007777007007	$\vdash$		<u> </u>	<u> </u>	_	<u> </u>	<u> </u>	$\vdash$				
23	34	1	Щ	<u> </u>	<u> </u>	匚	<u> </u>	<u> </u>	<u> </u>	Щ				
Ĺ	35	<u> </u>	_	_	_	<u> </u>			_					
	36	Щ		<u> </u>	Ц	$ldsymbol{ldsymbol{ldsymbol{eta}}}$	<u> </u>	L.		$oxed{oxed}$				
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 33 33 34 35 36 37 38 38 38 38 38 38 38 38 38 38 38 38 38			$oxed{oxed}$	<u> </u>	$oxed{oxed}$		$oxed{oxed}$	_	$oxed{oxed}$				
	38				L	L		_						
	39				L	L		L		L				
	40													
	41							Ī						
	42													
	43					<u> </u>		Г						
	44	$\vdash$												
	45		-		-	-		-	-	-				
	46	$\vdash$		$\vdash$	_	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$				
	47	$\vdash$		$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	Н				
	47	$\vdash$		$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	Н				
	49	Н	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	H	Н				
		Н	$\vdash$	<u> </u>	$\vdash$	$\vdash$	_	$\vdash$	$\vdash$	Н				
	50				ı			ı	ı					

Cla	im				[	Date	е					lair	n				Da	ate			$\neg$	C	laim	T			D	ate				$\neg$
		7	_						$  \top  $	7				T	$\top$	Т	Т				<u> </u>					T		T	$\exists$	T	T	٦
5	Original	1/19/07	7/13/07							1	Final		Original			- [					- 1	Final	Original				- 1					- 1
-	) Ţ	5	12							1	iI		بغر		-			-		i I	- 1	ļ iĒ	<u>`</u> Ĕ			-	ı					1
			_		_	_				_				$\perp$	4	$\perp$	$\perp$	$\perp$	$\perp$		_	L		Щ	_	4	_	4	$\dashv$	$\dashv$	_	
	1	1	_		_	_	Ш			_			51	$\perp$	4	4	4		_		_		101	Ш	_	4	_	_	_	$\dashv$	$\perp$	
_	2	1	_		<u> </u>	<b>!</b> _	Ш		$\sqcup$	_	<u> </u>		52		_	_	4	4			_	_	102		_	4	_	$\dashv$	$\dashv$	$\dashv$	4	_
	3	1	<u> </u>	_	<u> </u>	_	Ш		$\vdash$	4	<u> </u>		53		_	$\dashv$	$\perp$	4	_	Н	_		103	Ш	.	4	4	4	-	$\dashv$	4	_
_	4	٧	<u> </u>		<u> </u>		_		$\sqcup$	4			54		4	4	4		<u> </u>	-	_		104	Щ		4	_	_	$\dashv$	$\dashv$	_	
.	5	0	_	_	<u> </u>	_	Н		-	_	_		55	$\dashv$	_	$\dashv$	$\perp$	-	₩	$\vdash$	_	_	105	Ш	_	4	4	_	-		4	_
_	6	0	_		$\vdash$	_	Н	<u> </u>		_		+	56	-	_	$\dashv$	$\perp$	+	+	$\vdash$	_	<u> </u>	106	$\square$	$\rightarrow$	4	_	$\dashv$	4	-	-	
	7	7		_	_		$\vdash$		$\vdash$	4	-		57		_	4	4						107	$\square$	$\dashv$	4	+	$\dashv$	$\dashv$	$\dashv$	-	_
3	8	0	_		L	-	Н			-	-		58	$\vdash$	+	+	_	+	+	$\vdash$	_		108	Щ	$\dashv$	$\dashv$	$\perp$	-	-	-		_
2	9	0	<u> </u>		H	1	Н	_	$\vdash$	-	-		59	-	+	+	+	-	+-	$\vdash$			109	$\square$	_	+	-	-	-	$\dashv$	-	$\dashv$
0	10	1	<u> </u>	$\vdash$	-	<u> </u>	Н	_	$\dashv$	$\dashv$	$\vdash$		60	-		-	- -	-	-	$\vdash$			110			4	+	$\dashv$	$\dashv$	+	4	4
L	11	7	-	-	-	_	Н	_	$\vdash \vdash$	$\dashv$	-		61	_		$\dashv$	+	+	$\vdash$	$\vdash \vdash$		_	111			4	$\dashv$	$\dashv$	$\dashv$	$\dashv$	-	$\dashv$
<u>ィ</u> ュ	12	1	-	H	-	-			$\dashv$	$\dashv$	$\vdash$		62		-	-	-	-	╁—				112			+	$\dashv$	4	_	+	+	$\dashv$
<u>د</u>	13	1	$\vdash$	$\vdash$	<del> </del>	<del> </del>	$\vdash$	$\vdash$	$\dashv$	$\dashv$	$\vdash$		63	$\dashv$	-		+	+	+	$\vdash \vdash$	$\dashv$		113	$\vdash$	-	+	$\dashv$	+	$\dashv$	+	4	$\dashv$
	- 14	7	-	H	$\vdash$	H	$\vdash$	$\vdash$	$\dashv$	$\dashv$	-		64	+	+	+	+	+	$\vdash$	$\vdash \vdash$	$\dashv$	$\vdash$	114	$\vdash \vdash$		+	+	+		+	+	-
9	15	7	$\vdash$	$\vdash$	$\vdash$	$\vdash$	Н		$\vdash$	$\dashv$	-		65	+	+	+	+	+	$\vdash$	Н	$\dashv$	$\vdash$	115	$\vdash \vdash$		4	$\dashv$	-+	$\dashv$	+	$\dashv$	$\dashv$
7	16	77	<u> </u>			-	Н	H	$\vdash \vdash$	$\dashv$	-		66	$\dashv$	-	$\dashv$	+		┼	-	$\dashv$	<u> </u>	116	$\vdash \vdash$	+	+	+	$\dashv$	$\dashv$	+	-	$\dashv$
2	17		<u> </u>			_	H		$\vdash$	-	-		67	-+	-	-	-		-			<u> </u>	117	H	-	+	4	4				
11	18	0	<del> </del>	_						4	-		88	$\dashv$	+	+	+	+	╀			<u> </u>	118	$\vdash$	$\rightarrow$	+	-			$\dashv$	-	_
-		0	<u> </u>		_	_		_	$\vdash$	-			69	$\dashv$	4	+	+	+	╄	$\vdash$	_	_	119	Ш	_	4	-	+		+	-	ᅴ
<u>_</u>	20	7	_	_		▙	Ш		$\vdash$	_	_		70	_	4	_	- -		↓_	-	_		120	$\sqcup$	$\dashv$	4	4	-+	-	+	-	
<u>3</u>	21	7	<u> </u>			_			-				71	$\dashv$	4	_	4	- -	ļ		_		121	Ш		4	-	4		-	-	-1
5	22	0	_			_				-	-		72		4	_	4	$\perp$	₩		_		122			4	4	4	-	-		
6	23	0	_			_	Н		$\vdash$	-1			73			_	4	- -	_	-	_		123	$\vdash$	-	4	_	-		+	+	4
7	24	1	<u> </u>	_			-	_		4			74	_	+	-	+	+	╄		_		124	$\vdash$		4	-	-	-	+	$\dashv$	ᅴ
4	25	7				_	Н		$\vdash$	-	-		75		+	+	+	+	┼		_		125	$\vdash$		+	$\dashv$	4	+	-	-+	
Ş	26	1	<u> </u>				Н		-	-	-	4	76		+	_	+	+	+				126	-	-	+	+	_	4	+	4	
Þ	27	7	⊢	H			$\vdash$	_	-	-1	-		77	-	+	-	-		-	-	_		127	$\vdash$		+	$\dashv$	-		-	-	4
1	28	7 -	_			_			$\vdash$	_	-		78	-	-	+	+		╄	$\vdash$			128		-	+	+	+	$\dashv$	+	$\dashv$	-
56544419	29	7	-			_	-	-	-				79	-	+	-	+	-	╀	$\vdash$			129	-	-	+	$\dashv$	$\dashv$	$\dashv$	+	+	$\dashv$
4	30	0	-			<del>  -</del>	-	-	$\vdash$	-	$\vdash$		80	_	+	+	+	+	╀	$\vdash$	-	-	130	$\vdash$	<del>-</del>	+	$\dashv$	+	+	+	$\dashv$	$\dashv$
	31		_	H		┝	$\vdash$	_		_	$\vdash$		B1		+	+	+	+	╀		-	-	131	$\vdash$		+	+	+	$\dashv$	+		ᅴ
4	32 _33	0 0	$\vdash$	$\vdash$	Н	-	-			$\dashv$	$\vdash$		B2 B3	+	+	+	+	+	$\vdash$	$\vdash \vdash$	$\dashv$	$\vdash$	132	$\vdash$	+	+		+	+	+	$\dashv$	$\dashv$
-4	34	7	$\vdash$			$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\dashv$	$\vdash$		84 B4	$\dashv$	+		+	+	$\vdash$	$\vdash \vdash$	$\dashv$	-	134	$\vdash$	$\dashv$	+	$\dashv$	+		+	+	$\dashv$
3	35	_	$\vdash$	$\vdash$	-	$\vdash$	Н	$\dashv$	$\dashv$	$\dashv$	$\vdash$		85	+	+	+	+	+	$\vdash$	$\vdash \vdash$	$\dashv$	-	135	$\vdash$	+	+	$\dashv$	+	$\dashv$	+	+	$\dashv$
-	36	$\vdash$		$\vdash$	$\vdash$	$\vdash$	$\vdash$		$\vdash$	$\dashv$	-		86	-	+	+	+	+	+-			-	136	$\vdash$		+	+	+	$\dashv$	+	+	$\dashv$
-	37	$\vdash$	$\vdash$	$\vdash$	H		$\vdash$		-	$\dashv$	$\vdash$		87	+	+	+	+	+	$\vdash$	-	$\dashv$	$\vdash$	137		+	+	+	+	$\dashv$	+	+	$\dashv$
-	38	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	Н	$\vdash$	$\vdash$	$\dashv$	$\vdash$		88	$\dashv$	-		+	+	+	$\vdash$	$\dashv$	$\vdash$	138	$\vdash$	+	+	+	+	$\dashv$	+	$\dashv$	$\dashv$
	39		-	$\vdash$	$\vdash$	<del>                                     </del>	$\vdash$	$\dashv$	$\vdash$	$\dashv$	-		89	$\dashv$	+	+	+	+	+	$\vdash$	$\dashv$	$\vdash$	139		+	+	+	+	-	+	╅	$\dashv$
$\dashv$	40	-		$\vdash$	-	-	$\vdash$	-	<del>   </del>	-	$\vdash$		90	$\dashv$	$\dashv$	+	+	+	$\vdash$	$\dashv$	$\dashv$	-	140		+	+	$\dashv$	+	$\dashv$	$\dashv$	+	$\dashv$
⊣	41	$\vdash$	$\vdash$	$\vdash$	-	-	$\vdash$		$\vdash$	$\dashv$	$\vdash$		91	$\dashv$	+	+	+	+	$\vdash$	$\dashv$	$\dashv$	-	141	$\vdash$	-+-	+	$\dashv$	+	+	$\dashv$	+	$\dashv$
-	42	$\vdash$		Н	$\vdash$	$\vdash$	Н	$\dashv$	$\vdash$	$\dashv$	$\vdash$		92	$\dashv$	+	+	+	+	$\vdash$	$\dashv$	$\dashv$		142		-+-	+	$\dashv$	+	$\dashv$	+	+	$\dashv$
_	43	_	_	$\vdash$			Н	-	-	$\dashv$	-	+	93	$\dashv$	+	+	$\dashv$	+	$\vdash$		$\dashv$	-	143	$\dashv$		+	$\dashv$	+	+	$\dashv$	十	$\dashv$
	44			$\vdash$			Н		+	$\dashv$	$\vdash$		94	$\dashv$	+	+	+	+	$\vdash$	$\dashv$	$\dashv$		144	$\vdash$	+	+	$\dashv$	$\dashv$	$\dashv$	+	$\dashv$	$\dashv$
-	45		-	-	-				-	-	-		95	+		+	+	-		-	- 1	-	145			+		+	-	-		$\dashv$
-	46			H			H	$\dashv$	+	-			96	$\dashv$	$\dashv$	+	+	+	$\vdash$	$\dashv$	$\dashv$	1	146	$\vdash$	+	+	+	$\pm$	$\dashv$	$\dashv$	+	-
$\dashv$	47	H		H	H		H	$\dashv$	$\dashv$	$\dashv$	-		97	+	+	+	+	+	$\vdash$	$\dashv$	$\dashv$		147	$\dashv$	$\dashv$	+	$\dashv$	-	$\dashv$	+	$\dashv$	$\dashv$
-	48			$\vdash$	H		H	$\dashv$	$\vdash$	$\dashv$	-		98	+	+	+	+	+	$\vdash$	-	$\dashv$		148	$\vdash$	+	+	$\dashv$	-	$\dashv$	+	$\dashv$	$\dashv$
	49			Н	H	H	Н	$\dashv$	$\dashv$	$\dashv$			99	$\dashv$	$\dashv$	+	+	+	Н	-	$\dashv$		149	$\vdash$	$\dashv$	$\dagger$	$\dashv$	+	$\dashv$	十	$\dashv$	$\dashv$
$\neg$	50		$\vdash$	Н		$\Box$	Н	$\dashv$		$\dashv$	$\vdash$		00	$\dashv$	$\dashv$	$\dashv$	+	$\top$	$\vdash$		$\dashv$		150	$\dashv$	$\dashv$	$^{\dagger}$	$\dashv$	$\dashv$	$\dashv$	十	+	ᅥ
- 3				ш							Щ.		55		I	I			J			_										

Cl	Date												
			Г	Г									
<del>a</del>	a =	l		l		ł		ĺ					
Final	Original	1	ļ										
-	0			ļ									
	101	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$			
	102	$\vdash$	┢	┢	$\vdash$	┢	⊢	┢	┝	$\vdash$			
<u> </u>	101 102 103	-	$\vdash$	$\vdash$	-	-	┢	$\vdash$	$\vdash$	$\vdash$			
	103	$\vdash$	⊢	├	-	┢	⊢	-	┢	-			
	105	⊢		┝		-	┢		_				
	105 106 107	_	$\vdash$	⊢	⊢	-	┝	<del> </del>	-				
<b></b>	100	_	⊢	⊢	-	-	⊢	-		-			
<u> </u>	107		_	├		$\vdash$	⊢	$\vdash$	⊢	$\vdash$			
<u> </u>	108 109	_	$\vdash$		_	$\vdash$	<u> </u>	-	-	-			
	109	<u> </u>	<u> </u>	_		<u> </u>	<b>├</b>		<del> </del>	H			
	110	_	<u> </u>	├-	_		├	_	_	L			
<u> </u>	111 112 113 114 115	<b> </b>	<u> </u>	<del> </del>		<u> </u>	<u> </u>	<del> </del>	<del> </del> —	<u> </u>			
	112	<u> </u>	<u> </u>	<u> </u>	├	<u> </u>	⊢	⊢	<u> </u>	H			
	113	_	<u> </u>	<u> </u>	L	<u> </u>	$\vdash$	$\vdash$	<u> </u>	Щ			
	114	<u> </u>	_		<u> </u>	<u> </u>							
	115	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	L	_	<u> </u>	Ш			
	116			$ldsymbol{ldsymbol{ldsymbol{eta}}}$	_			_	L_	Ш			
	117				$oxed{oxed}$			L					
	118				L.				乚				
	119				L								
	120			-									
	119 120 121							Π	Γ				
	122		Г										
	122 123 124							Γ					
	124												
	125 126 127 128 129 130 131				<del>                                     </del>								
	126									П			
	127												
	128			Т	$\vdash$								
	129	_		Г									
	130			Т	Т				_				
	131			Т						П			
	132				Г	H		T	_	П			
	133	_	$\vdash$	$\vdash$	<del>                                     </del>	$\vdash$		Г	$\vdash$	Н			
	133 134	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	Ι-		$\vdash$	Н			
<b></b>	135	$\vdash$	_	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$			
	136	$\vdash$	-		$\vdash$	$\vdash$	-		<del>                                     </del>	$\vdash$			
	136 137 138	-	$\vdash$	$\vdash$	$\vdash$	$\vdash$			$\vdash$	Н			
$\vdash$	138		$\vdash$	$\vdash$	$\vdash$	<del> </del>	<del>                                     </del>		$\vdash$	Н			
$\vdash \vdash$	139			$\vdash$		<del>                                     </del>		-	_	H			
<del>                                     </del>	139 140		$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	-	-	$\vdash$			
┝─┤	141	-	-	╁	$\vdash$	$\vdash$	-	<del>                                     </del>	-	$\vdash$			
$\vdash \vdash$	142		-	-	$\vdash$	$\vdash$	$\vdash$	$\vdash$	H	Н			
$\vdash \vdash$	143	-	$\vdash$	$\vdash$	$\vdash$	-	$\vdash$		-	$\vdash$			
	143	_	_	$\vdash$	$\vdash$	_	-	$\vdash$		Н			
	144						-						
	146								-	$\vdash$			
<del>  </del>	147	$\vdash$	<u> </u>	<u> </u>	$\vdash$	$\vdash$	<u> </u>		$\vdash$	Н			
<b></b>	148		<u> </u>	<u> </u>	-	<u> </u>	<del></del>	$\vdash$	-	Н			
	149	$\vdash$	H	H	$\vdash$	H	$\vdash$	H	$\vdash$	Н			
	150			$\vdash$	Η.	$\vdash$		$\vdash$		Н			
	IOU		1		1					ı I			